

PREPARING FOR EARTHQUAKES IS EVERYONE’S RESPONSIBILITY!

THE NEW MADRID QUAKES OF 1811-1812 WERE NOT THAT LONG AGO, BUT A MAJOR EARTHQUAKE MAY HAPPEN SOONER THAN YOU THINK...

The central United States is vulnerable to damaging earthquakes. With little or no warning, a damaging earthquake in the New Madrid, Wabash Valley, or East Tennessee seismic zones, could strike. Depending on its magnitude and location, it could impact multiple states, causing major physical, social and economic disruption in a region that is home to more than 11 million people.

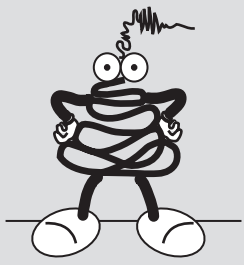
While most people associate the New Madrid seismic zone with the great earthquakes of 1811-12 (which produced four temblors near magnitude 8 and thousands of aftershocks), the central U.S. continues to have the highest level of seismicity in the United States east of the Rocky Mountains. Earthquakes of estimated magnitude 6.4, 6.8, and 5.5 occurred in 1843, 1895, and 1968 respectively.

Moderate sized earthquakes also occur in the central U.S. In 2002, Evansville, Indiana experienced a magnitude 4.6

VISIT WWW.CUSEC.ORG FOR MORE INFORMATION ON EARTHQUAKES!!!

earthquake that toppled chimneys and caused other minor damages. Fortunately, no one was hurt in *this* instance. Another magnitude 4.6 in Ft. Payne, Alabama in 2003 shook a 12 state area and was felt by more than 17,000 people. This clearly validates the regional impact an earthquake in the central U.S. could have.

Earthquake awareness

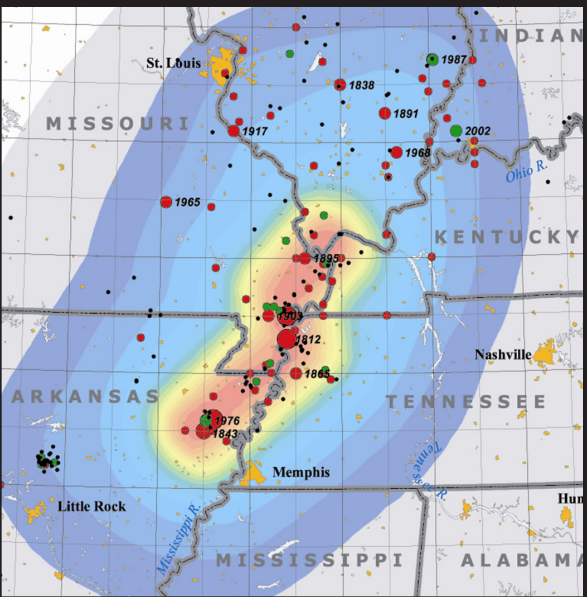


The potential losses from future earthquakes of magnitude 5.5 or greater in the seismic zones of the central U.S. are expected to be significant because:

- 1) the high population density of the region puts nearly 11 million people at risk;
- 2) the large number of structures that are not designed and constructed to withstand the effects of earthquakes;
- 3) the presence of thick, saturated sediments, which amplify shaking and have the potential for liquefaction;
- 4) the large area that would be affected by damaging ground motion and associated ground failure (about 10 times larger than the area impacted by a California earthquake of comparable size).

Since Hurricanes Katrina and Rita, it has become clear that, just like local and state governments, the general public needs to plan on being self sufficient during a disaster. Having a family preparedness plan, an emergency supply kit, food, and water supplies are all going to be necessities after an earthquake in the central U.S. because first responders will likely be busy for days during the initial response. Now is the time for you to prepare your family for earthquakes and other disasters. History shows us that it is only a matter of time before another damaging event occurs.

THE NEW MADRID SEISMIC ZONE
Named for a small town on a bend of the Mississippi River near the junction of Missouri, Kentucky, and Tennessee, the New Madrid Seismic Zone forms a zig zag pattern from Cairo, Illinois southwest to New Madrid Missouri, then southeast to Ridgely, Tennessee, and from Caruthersville, Missouri southwest to Marked Tree, Arkansas. Moderate earthquakes occur far more frequently than the great New Madrid earthquakes.



For more information on earthquake preparedness or earthquake awareness activities, contact your State Earthquake Program Manager -

- ALABAMA (205) 280-2220
- ARKANSAS (501) 683-6700
- ILLINOIS (217) 782-7860
- INDIANA (317) 234-5424
- KENTUCKY (800) 255-2587
- MISSISSIPPI (800) 222-6362
- MISSOURI (573) 526-9232
- TENNESSEE (615) 741-0001

For additional information on earthquake preparedness in the central US, visit the Central United States Earthquake Consortium website at www.cusec.org or call (800) 824-5817

This informational flyer funded by the Federal Emergency Management Agency : Grant Number EMW-2005-CA-0428

EARTHQUAKES SINCE 1811-1812

Date	Magnitude	Location
06/1838	5.1	Southern IL
01/1834	6.4	Marked Tree, AR
10/1895	6.8	Charleston, MO
04/1899	4.3	Vincennes, IN
05/1909	5.2	Aurora, IL
04/1917	4.9	Eastern MO
11/1922	4.4	Southern, IL
04/1925	4.8	Princeton, IN
05/1927	4.8	Northeastern AR

Date	Magnitude	Location
11/1968	5.4	South Central IL
03/1976	4.6	Northeastern AR
06/1987	5.0	Southeastern IL
09/1990	4.8	Southeastern MO
05/2001	4.4	Conway, AR
06/2002	4.6	Evansville, IN
04/2003	4.6	Ft. Payne, AL
06/2003	4.5	Western KY
06/2005	4.0	Dyersburg, TN



GET READY TODAY, BEFORE IT IS TOO LATE!!!

PREPARE NOW FOR AN EARTHQUAKE IN THE CENTRAL U.S.

Earthquake preparedness is easy and inexpensive, and works for other natural disasters, too. Here is a guide to help families and individuals prepare for surviving a major earthquake.



HOME SURVIVAL KIT

GENERAL SUPPLIES

- Water** – 1 gallon per person per day
- First Aid Kit** – ample, freshly stocked
- First Aid Manual** – know how to use it
- Food** – canned or individually packaged; precooked; requiring minimum heat and water. Consider infants, pets and other dietary requirements. Use frozen and refrigerated food first
- Manual can opener**
- Blankets** or sleeping bags for each family member
- Critical medication and eyeglasses**
- Fire Extinguishers** – dry chemical, type ABC
- Flashlight** – spare batteries and bulbs
- Watch or clock** – battery or spring wound
- Dust Masks**
- Portable Radio** with spare batteries
- Spare Cash**
- Duct Tape**
- Basic Tool Kit**

COOKING SUPPLIES

- Grill** – use outside ONLY – charcoal, lighter, or sterno
- Plastic bags** – various sizes
- Paper plates, plastic utensils, paper towels**

SANITATION SUPPLIES

- Large plastic trash bags** – for trash, waste, water protection
- Ground cloth**
- Large trash cans**
- Toiletries** - personal hygiene supplies, pre-moistened towelettes, toilet paper, feminine supplies, soap
- Infant supplies**
- Chlorine bleach** and powdered chlorinated lime (found in hardware stores). Add to sewage to disinfect and keep away insects
- Newspapers** – wrap waste and garbage

Store kit in central location. Large covered plastic garbage cans are good storage containers.

MINI KIT FOR YOUR AUTOMOBILE

- | | |
|-------------------------------------|---------------------------------|
| Non-perishable food | First aid kit and manual |
| Flares | Fire Extinguisher |
| Blanket | Sealable plastic bags |
| Flashlight – extra batteries | Critical medication |
| Extra Eyeglasses | Tools |
| Pre-moistened towelettes | Cell phone charger |
| Toilet Paper | |
| Sturdy shoes and gloves | |



PREPARE YOURSELF AND YOUR FAMILY NOW...

- HAVE** an earthquake kit
- KNOW** how to turn off gas, power and water
- PLAN** family emergency drills making plans to reunite your family
- ANCHOR** heavy objects to walls (bookcases, mirrors, etc.)
- NEVER** place heavy objects over beds, and keep heavy objects lower than head height of shortest family member



DURING A QUAKE, STAY CALM...

THINK DUCK, COVER, AND HOLD - This is still the recommended practice

INSIDE, crouch under desks or tables, move to an inside corner or wall away from glass or doors which could swing, causing injury

OUTSIDE, stand away from buildings, trees, telephone and electrical lines

ON THE ROAD, drive away from underpasses and overpasses, stop in a safe area, stay in vehicle; Turn radio on for safety information



AFTER AN EARTHQUAKE...

CHECK FOR INJURIES – provide first aid if needed

CHECK FOR SAFETY – check gas, water and sewage breaks; check for downed power lines and shorts; turn off appropriate utilities

CHECK FOR BUILDING DAMAGE and potential problems during aftershocks

CLEAN UP dangerous spills

WEAR SHOES to avoid cuts on your feet from broken glass

TURN ON RADIO and listen for instructions from public safety agencies

USE TELEPHONE IN EMERGENCIES ONLY to avoid tying up the phone lines

Your emergency supplies should be adequate for a minimum of 3-5 days. A 10 day supply of food, water, and medication is recommended.